



# UNITED STATES COAST GUARD

---

**REPORT OF INVESTIGATION INTO THE  
CIRCUMSTANCES SURROUNDING THE INCIDENT  
INVOLVING  
TANA LYNN/3500 GAL DIESEL/ATCHAFALAYA  
MM4/SINKING**

**ON 03/08/2003**



**MISLE ACTIVITY NUMBER: 1755672  
ORIGINATING UNIT: MSU BATON ROUGE  
MISLE ACTIVITY OWNER: MSU BATON ROUGE  
MISLE ACTIVITY CONTROLLER: MSU BATON ROUGE  
MISLE CASE NUMBER: 109054**

## **I. INCIDENT BRIEF**

On 08 MAR 03, MSU Baton Rouge received NRC report #638879. The MV TANA LYNN had an allision with the Simmsport Railroad Bridge at approximately 1458 local time on 08 MAR 03. The MV TANA LYNN sank approximately 2.5 minutes later between the LA 75 Bridge and the Simmsport Railroad Bridge at mile marker 5. The MV TANA LYNN owned and operated by Jefferson Marine Towing had on board approximately 3500 gallons of diesel, 1 barrel of lube oil, and 30 gallons of hydraulic fluid. Small pockets of sheen, approximately 6 in.x6 in., were seen on the water's surface coming up from where the vessel sank in the Atchafalaya River, a navigable waterway of the United States.

## II. EXECUTIVE SUMMARY

### **Incident Summary**

On 08 MAR 03, MSU Baton Rouge received NRC report #638879. The MV TANA LYNN had an allision with the Simmsport Railroad Bridge at approximately 1458 local time on 08 MAR 03. The MV TANA LYNN sank approximately 2.5 minutes later between the LA 75 Bridge and the Simmsport Railroad Bridge at mile marker 5. The MV TANA LYNN owned and operated by Jefferson Marine Towing had on board approximately 3500 gallons of diesel, 1 barrel of lube oil, and 30 gallons of hydraulic fluid. Small pockets of sheen, approximately 6 in.x 6 in., were seen on the water's surface coming up from where the vessel sank in the Atchafalaya River, a navigable waterway of the United States.

Incident Involved: Marine Casualty, Reportable  
Discharge of Oil

This incident resulted in a discharge or substantial threat of discharge of oil. This report does not limit the discretion of the Director, NPFC, to determine facts, rights and liabilities with respect to any claims, submitted to or by the NPFC, for removal costs and damages under the Oil Pollution Act of 1990.

Level of Investigation: Informal  
IMO Classification: Routine  
USCG Classification: Major Marine Casualty  
Was this a Serious Marine Incident? Yes  
Was a Marine Board Convened by Commandant? No

### **Personnel Casualty Summary**

Total Missing (Active Search) = 0  
Total Missing (Presumed Lost) = 0  
Total Dead = 0  
Total Injured = 0  
Total Uninjured = 3  
Total People at Risk = 3  
Other Personnel (Not at Risk) = 0

### **Vessel(s) Status Summary**

Actual Total Loss(es) = 0  
Total Constructive Loss, Salvaged = 0  
Total Constructive Loss, Unsalvaged = 1  
Damaged = 1  
Undamaged = 0

### **Property Damage Summary/Total Damage**

Report of Investigation
-------------------------

Vessel(s) = \$500000\*

Cargo = \$

Facility(s) = \$

Other = \$

\* Includes estimates

**Waterway Mobility Summary**

Vessel Delays (including speed restrictions): None

### III. ACTIONS IN RESPONSE TO THIS REPORT

#### **Actions on Recommendations**

NONE

#### **Safety Alerts**

NONE

#### IV. FINDINGS OF FACT

##### Subjects of the Investigation

**Vessels.** The following vessels were subjects of this investigation. Particulars for each vessel follow.

Vessel Name:	TANA LYNN
Flag:	UNITED STATES
Vessel Identification Number:	626841
Call Sign:	
Status:	Total Constructive Loss: Unsalvaged
Role:	Involved in a Marine Casualty
Vessel Class, Type, Sub-Type:	Towing Vessel, General,
Gross Tonnage(GRT):	66
Net Tonnage(NRT):	53
Deadweight Tons:	
Length:	
Home/Hailing Port:	
Keel Laid Date:	
Delivery Date:	
Place of Construction:	PANAMA CITY FL, , UNITED STATES
Builder Name:	SHERMAN SHIPYARD INC
Propulsion:	
Horsepower:	
Master:	
Classification Society:	
Owner:	O A & D TOWING, INC P O BOX 542  HARVEY, LA, 70059 O A & D TOWING, INC P O BOX 542
Operator:	HARVEY, LA, 70059 JEFFERSON MARINE TOWING, INC. P.O. BOX 542 700 PETERS ROAD  HARVEY, LA, 70058
Inspection Subchapter:	
Most Recent Vessel Inspection Activity:	

Report of Investigation
-------------------------

Vessel Name:	U 2050
Flag:	UNITED STATES
Vessel Identification Number:	1091840
Call Sign:	
Status:	Damaged
Role:	Involved in a Marine Casualty
Vessel Class, Type, Sub-Type:	Barge, General,
Gross Tonnage(GRT):	
Net Tonnage(NRT):	
Deadweight Tons:	
Length:	
Home/Hailing Port:	
Keel Laid Date:	
Delivery Date:	
Place of Construction:	HOUSTON TEXAS, , UNITED STATES
Builder Name:	FIRSTWAVE-NEWPARK-GREENS
Propulsion:	
Horsepower:	
Master:	
Classification Society:	
Owner:	
Operator:	
Inspection Subchapter:	
Most Recent Vessel Inspection Activity:	

**Facilities.** The following facilities were subjects of this investigation. Particulars for each facility follow.

Facility Name:	Kansas City Southern - Simmesport
Type:	Bridge
Status:	Damaged and Repaired - Operational
Role:	Site of Incident
Contact Phone:	
Location:	Latitude: 30 58.9 N Longitude: 091 47.86667 W

Facility Name:	LA Hwy 1 - Simmesport
Type:	Bridge
Status:	Undamaged - Operational
Role:	Site of Incident
Contact Phone:	
Location:	Latitude: 30 58.63333 N Longitude: 091 48.2 W

**Parties and Organizations.** The following people and organizations were subjects of this investigation.

## Report of Investigation

[REDACTED]

Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address(Home/Primary Residence):

Rescued Uninjured  
Watchstander  
M

[REDACTED]

[REDACTED]

Comments:

Brink, Jessica

Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address():  
Comments:

Not at Risk  
Investigator  
f

- -

[REDACTED]

Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address(Home/Primary Residence):

Rescued Uninjured  
Crewmember  
M

[REDACTED]

[REDACTED]

US  
Deckhand

Comments:

[REDACTED]

Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:

Not at Risk  
Investigator  
m

- -



Report of Investigation
-------------------------

Email Address:  
Phone Number():  
Address():  
Comments:

[REDACTED]  
Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address():  
Comments:

Not at Risk  
Eye-Witness

[REDACTED]  
Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address(Home/Primary Residence):

Rescued Uninjured  
Crewmember  
M

[REDACTED]

[REDACTED]

US

Comments:

[REDACTED]  
Status:  
Role:  
Gender:  
Age:  
SSN:  
Birth Date:  
Email Address:  
Phone Number():  
Address():  
Comments:

Not at Risk  
Investigator  
m

- -

JEFFERSON MARINE TOWING, INC.

Status:  
Role:  
Email Address:  
Phone Number():

Not at Risk  
Responsible Party

## Report of Investigation

Address(Primary Place of Business): P.O. BOX 542  
700 PETERS ROAD  
  
HARVEY, LA 70058

Comments:

OIL MOP, LLC

Status: Not at Risk  
Role: Clean Up Company  
Email Address:  
Phone Number():  
Address(Mailing): 145 Keating Drive

Belle Chase, LA 70037  
US

Comments:

**Drug and Alcohol Testing.** The following people have been determined by the Coast Guard, Law Enforcement Personnel, and/or the Marine Employer to have been directly involved in a Serious Marine Incident as defined in 46 CFR 4.03-2:

[REDACTED]; Crewmember  
[REDACTED]; Watchstander  
[REDACTED]; Crewmember  
[REDACTED]; Watchstander

**Response Resources.** The following incident response resources were subjects of this investigation.

Resource Name: MST2 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Pollution Investigator  
Type:

Resource Name: MST2 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Pollution Investigator  
Type:

Resource Name: MST2 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Marine Casualty Investigator  
Type:

Report of Investigation
-------------------------

Resource Name: MST2 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Marine Casualty Investigator  
Type:

Resource Name: MST3 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Pollution Investigator  
Type:

Resource Name: MST3 [REDACTED]  
Resource ID:  
Kind: Investigation Resources  
Sub-Kind: Pollution Investigator  
Type:

**Other Subjects.** The following were subjects of this investigation.

**Waterway Segment(s).** The following waterway segment(s) were subjects of this investigation.

Atchafalaya  
Role: Location  
Local Name:  
Description: Between Symmes Port Rail Road Bridge and LA 75 Bridge

---

**Incident Information**

**Location(s).**

<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
ATCHAFALAYA - MM 4: Atchafalaya	30 59.1125 N	091 47.0064 W
ATCHAFALAYA - MM 5	30 58.85574 N	091 47.92614 W
Aboard Vessel: TANA LYNN: OLD RIVER	30 58.9 N	091 47.9 W
OLD RIVER	30 58.9 N	091 47.9 W
Faeyueves Hospital	11 11.1 N	111 11.1 W
CIBI-TPA 1801 Lafayettle St. Gretna, LA 70835	11 11.1 N	111 11.1 W

**Sequence of Events.**

03/08/2003 6:59 to 03/08/2003 6:59 (Estimated): Mr. [REDACTED] was maneuvering the tug TANA LYNN and its tow through the Kansas City Southern Railroad swing bridge.

Report of Investigation
-------------------------

Action Type: Bridge Operations - Shiphandling  
Action Class: Maneuver in accordance with sea/river/weather conditions  
Location: Known; US Waters  
Description: OLD RIVER  
Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
[REDACTED]	Party	Rescued Uninjured	Watchstander

Details Filed: Detail Description

Mr. [REDACTED] was maneuvering the tug TANA LYNN and its tow through the Kansas City Southern Railroad swing bridge.

03/08/2003 7:00 (Known): VESSEL SUNK  
ON BOARD APPROXIMATELY 6000 GALLONS DIESEL, 1 BARREL LUBE OIL, 30  
GALLONS HYDRAULIC FLUID.

Event Class: Sinking  
Sub-Type: Damage Control Efforts Not Possible  
Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel		Involved in a Marine Casualty

Details Filed: None

03/08/2003 7:00 to 03/08/2003 7:00 (Estimated): The deck barge U 2050 was carrying a large processing tank as cargo. This tank allided with the swing span of the Kansas City Southern Railroad bridge when it and the barge carrying it passed under the bridge. Following the allision involving the barge, the tug TANA LYNN allided with the western pier of the swing span of the bridge and landed up against it broadside on the starboard side.

Event Type: Allision  
Event Class: Broadside  
Event Subclass: Full Control  
Location: Known; US Waters  
Description: OLD RIVER  
Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel	Total Constructive Loss: Unsalvaged	Involved in a Marine Casualty

Details Filed: Detail Description

The deck barge U 2050 was carrying a large processing tank as cargo. This tank allided with the swing span of the Kansas City Southern Railroad bridge when it and the barge carrying it passed under the bridge. Following the allision involving the barge, the tug TANA LYNN allided with

Report of Investigation
-------------------------

the western pier of the swing span of the bridge and landed up against it broadside on the starboard side.

U 2050	Vessel	Damaged	Involved in a Marine Casualty
--------	--------	---------	-------------------------------

Details Filed: Detail Description

The deck barge U 2050 was carrying a large processing tank as cargo. This tank allided with the swing span of the Kansas City Southern Railroad bridge when it and the barge carrying it passed under the bridge. Following the allision involving the barge, the tug TANA LYNN allided with the western pier of the swing span of the bridge and landed up against it broadside on the starboard side.

Kansas City Southern - Simmesport	Facility	Damaged and Repaired - Operational	Site of Incident
--------------------------------------	----------	--	------------------

Details Filed: Detail Description

The deck barge U 2050 was carrying a large processing tank as cargo. This tank allided with the swing span of the Kansas City Southern Railroad bridge when it and the barge carrying it passed under the bridge. Following the allision involving the barge, the tug TANA LYNN allided with the western pier of the swing span of the bridge and landed up against it broadside on the starboard side.

03/08/2003 7:01 to 03/08/2003 7:01 (Estimated): As a result of the allision, the facing wires holding the barge to the tug snapped allowing the barge to come free of the tug.

Event Type: Set Adrift  
Event Class: Unintentional  
Event Subclass: From Vessel (tugs, tows, other)  
Location: Known; US Waters  
Description: OLD RIVER  
Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
U 2050	Vessel	Damaged	Involved in a Marine Casualty

Details Filed: Detail Description

As a result of the allision, the facing wires holding the barge to the tug snapped allowing the barge to come free of the tug.

03/08/2003 7:01 to 03/08/2003 7:01 (Estimated): After landing up against the west pier of the bridge, the tug TANA LYNN started taking on water as the current of the river pushed water over the port side of the tug. As a result of the allision, the facing wires holding the barge to the tug snapped allowing the barge to come free of the tug. After the facing wires broke, the tug TANA LYNN drifted underneath the Kansas City Southern Railroad bridge continuing to tank on water. It sank approximately two minutes after the allision occurred.

Event Type: Sinking  
Event Class: Damage Control Efforts Not Possible  
Event Subclass:  
Location: Known; US Waters  
Description: OLD RIVER

Report of Investigation
-------------------------

Latitude: 30 58.9 N

Longitude: 091 47.9 W

## Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel	Total Constructive Loss: Unsalvaged	Involved in a Marine Casualty

## Details Filed: Detail Description

After landing up against the west pier of the bridge, the tug TANA LYNN started taking on water as the current of the river pushed water over the port side of the tug. As a result of the allision, the facing wires holding the barge to the tug snapped allowing the barge to come free of the tug. After the facing wires broke, the tug TANA LYNN drifted underneath the Kansas City Southern Railroad bridge continuing to tank on water. It sank approximately two minutes after the allision occurred.

03/08/2003 7:02 to 03/08/2003 7:02 (Estimated): As a result of the progressive flooding all three of the vessels crew abandoned ship.

Action Type: Safety and Emergency Operations - Abandon Vessel Operations

Action Class: Don survival suits and personal flotation devices

Location: Known; US Waters

Description: OLD RIVER

Latitude: 30 58.9 N

Longitude: 091 47.9 W

## Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
[REDACTED]	Party	Rescued Uninjured	Crewmember

## Details Filed: Detail Description

As a result of the progressive flooding all three of the vessels crew abandoned ship.

[REDACTED]	Party	Rescued Uninjured	Crewmember
------------	-------	----------------------	------------

## Details Filed: Detail Description

As a result of the progressive flooding all three of the vessels crew abandoned ship.

[REDACTED]	Party	Rescued Uninjured	Watchstander
------------	-------	----------------------	--------------

## Details Filed: Detail Description

As a result of the progressive flooding all three of the vessels crew abandoned ship.

03/08/2003 7:03 to 03/08/2003 7:03 (Estimated): After breaking away from the tow of the tug TANA LYNN, the barge U 2050 allided with the LA Highway 1 bridge.

Event Type: Allision

Event Class: Broadside

Event Subclass: Subject vessel controlled by Other Vessel (barges/tows)

Location: Known; US Waters

Description: OLD RIVER

Latitude: 30 58.9 N

Longitude: 091 47.9 W

## Subject(s) and Details:

Report of Investigation
-------------------------

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
U 2050	Vessel	Damaged	Involved in a Marine Casualty

Details Filed: Detail Description

After breaking away from the tow of the tug TANA LYNN, the barge U 2050 allided with the LA Highway 1 bridge.

LA Hwy 1 - Simmesport	Facility	Undamaged - Operational	Site of Incident
--------------------------	----------	----------------------------	------------------

Details Filed: Detail Description

After breaking away from the tow of the tug TANA LYNN, the barge U 2050 allided with the LA Highway 1 bridge.

03/08/2003 7:05 (Known): MSU RECEIVED REPORT OF TUG SINKING

Action Class: Response Communication

Sub-Type: Initial Notification

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>	Other		

Details Filed: None

03/08/2003 7:07 to 03/08/2003 7:07 (Estimated): Two men fishing in the area pulled all three of the men from the water and transported them to shore

Action Type: Safety and Emergency Operations - Person Overboard Procedures

Action Class: Locate person overboard

Location: Known; US Waters

Description: OLD RIVER

Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
[REDACTED]	Party	Rescued Uninjured	Watchstander

Details Filed: Detail Description

Two men fishing in the area pulled all three of the men from the water and transported them to shore

[REDACTED]	Party	Rescued Uninjured	Crewmember
------------	-------	----------------------	------------

Details Filed: Detail Description

Two men fishing in the area pulled all three of the men from the water and transported them to shore

[REDACTED]	Party	Rescued Uninjured	Crewmember
------------	-------	----------------------	------------

Details Filed: Detail Description

Two men fishing in the area pulled all three of the men from the water and transported them to shore

Report of Investigation
-------------------------

03/08/2003 7:10 to 03/28/2003 7:10 (Estimated):

Event Type: Damage to the Environment  
Event Class: Oil Discharge  
Event Subclass: Fuel/bunker  
Location: Known; US Waters  
Description: OLD RIVER  
Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel	Total Constructive Loss: Unsalvaged	Involved in a Marine Casualty

Details Filed: None

03/08/2003 7:10 to 03/08/2003 7:10 (Estimated): The MV TANA LYNN had on board approximately 3500 gallons of diesel, 1 barrel of lube oil, and 30 gallons of hydraulic fluid. Small pockets of sheen, approximately 6 in.x 6 in., were seen on the water's surface coming up from where the vessel sank in the Atchafalaya River

Event Type: Damage to the Environment  
Event Class: Oil Discharge  
Event Subclass: Fuel/bunker  
Location: Known; US Waters  
Description: OLD RIVER  
Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel	Total Constructive Loss: Unsalvaged	Involved in a Marine Casualty

Details Filed: Discharge Details

Substance Name:	Oil: Diesel
Potential Volume/Amount:	3500 Gallon (estimated)
Potential Only:	No
Discharge/Released Amount:	3500 Gallon (estimated)
Situation:	Point-source one-time discharge
Impacted Medium and Amount:	
Water	3500 (estimated)
Circumstances/Means Halted:	
Not Discharged/Released Amount:	0 Gallon (estimated)
Method Contained/Accounted For:	

03/08/2003 7:39 (Known): CO, SIO, CPOPS, D8 BRIDGES, MSO NEW ORLEANS, OPCEN AND D8(CC) BRIEFED WITH INITIAL INFORMATION.

Action Class: Response Communication



Report of Investigation
-------------------------

Sub-Type: Briefing - Commanding Officer

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>			Other

Details Filed: None

03/08/2003 9:10 (Known): DEPARTED MSU FOR SIMMESPORT

Action Class: Resource Action

Sub-Type: Resource Diverted

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
MST2			Resource

Details Filed: None

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
MST2			Resource

Details Filed: None

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
MST3			Resource

Details Filed: None

03/08/2003 10:10 (Known): LA DEQ, LOUISIANA OIL SPILL CONTROL, STATE POLICE, LA FISH AND WILDLIFE, ARMY CORPS OF ENGINEERS, AND LADOT NOTIFIED

Action Class: Response Communication

Sub-Type: Briefing - Area

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>			Other

Details Filed: None

03/08/2003 10:45 (Known): MSU DUTY TEAM ARRIVED ON SCENE

Action Class: Resource Action

Sub-Type: Resource On-scene

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>			Other

Details Filed: None

03/08/2003 11:00 to 03/08/2003 11:00 (Estimated):

Report of Investigation
-------------------------

Condition Class: Person  
Condition Type: Personnel Condition  
Subject Type: Person  
Location: Known; On Land  
Description: Faeyueves Hospital  
Latitude: 11 11.1 N Longitude: 111 11.1 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
	Party	Rescued Uninjured	Watchstander
Details Filed: None			
	Party	Rescued Uninjured	Crewmember
Details Filed: None			
	Party	Rescued Uninjured	Crewmember
Details Filed: None			

03/08/2003 11:00 to 03/08/2003 11:00 (Estimated): All three crewmembers were taken to the hospital to check for injuries after being pulled from the water.

Condition Class: Person  
Condition Type: Personnel Condition  
Subject Type: Person  
Location: Known; On Land  
Description: Faeyueves Hospital  
Latitude: 11 11.1 N Longitude: 111 11.1 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
	Party	Rescued Uninjured	Watchstander
Details Filed: Personnel Condition			
<u>Human Factors:</u>			
Human Factor:			
Factor Type:		Physical Factors	
Factor Sub-Type:		Other Physical Factor	
Description:		All three crewmembers were taken to the hospital to	
check for injuries after being pulled from the water.			
Latent Unsafe Condition:		No	
Merchant Mariner:			
	Party	No Rescued Uninjured	Crewmember
Details Filed: Personnel Condition			
<u>Human Factors:</u>			
Human Factor:			
Factor Type:		Physical Factors	
Factor Sub-Type:		Other Physical Factor	

## Report of Investigation

Description: All three crewmembers were taken to the hospital to check for injuries after being pulled from the water.  
Latent Unsafe Condition: No

Merchant Mariner:

No

Party

Rescued  
Uninjured

Crewmember

### Details Filed: Personnel Condition

#### Human Factors:

Human Factor:

Factor Type:

Physical Factors

Factor Sub-Type:

Other Physical Factor

Description:

All three crewmembers were taken to the hospital to check for injuries after being pulled from the water.

Latent Unsafe Condition:

No

Merchant Mariner:

No

03/08/2003 11:45 (Known): MSU DUTY TEAM DEPARTED SCENE FOR HOSPITAL TO INTERVIEW CREWMEMBERS

Action Class: Resource Action  
Sub-Type: Resource Depart Scene  
Location:

#### Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>		Other	

Details Filed: None

03/08/2003 12:00 to 03/08/2003 12:00 (Estimated): The tug TANA LYNN completely sank and was a total loss. The barge U 2050 suffered only minor damage as result of the incident.

Condition Class: Vessel, Facility, Equipment, Gear, or Cargo  
Condition Type: Vessel Material/Equipment Condition  
Subject Type: Construction/Loadline  
Location: Known; US Waters

Description: OLD RIVER

Latitude: 30 58.9 N Longitude: 091 47.9 W

#### Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN		Vessel	Total Constructive Loss: Unsalvaged
			Involved in a Marine Casualty

#### Details Filed: Detail Description

The tug TANA LYNN completely sank and was a total loss. The barge U 2050 suffered only minor damage as result of the incident.

U 2050	Vessel	Damaged	Involved in a Marine Casualty
--------	--------	---------	-------------------------------

#### Details Filed: Detail Description

## Report of Investigation

The tug TANA LYNN completely sank and was a total loss. The barge U 2050 suffered only minor damage as result of the incident.

03/08/2003 12:00 to 03/08/2003 12:00 (Estimated):

Condition Class: Vessel, Facility, Equipment, Gear, or Cargo

Condition Type: Vessel Material/Equipment Condition

Subject Type:

Location: Known; US Waters

Description: OLD RIVER

Latitude: 30 58.9 N Longitude: 091 47.9 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>	
TANA LYNN		Vessel	Total Constructive Loss: Unsalvaged	Involved in a Marine Casualty
Details Filed: None				
U 2050		Vessel	Damaged	Involved in a Marine Casualty
Details Filed: None				
LA Hwy 1 - Simmesport		Facility	Undamaged - Operational	Site of Incident
Details Filed: None				
Kansas City Southern - Simmesport		Facility	Damaged and Repaired - Operational	Site of Incident
Details Filed: None				

03/08/2003 12:00 to 03/08/2003 12:00 (Estimated): As a result of the incident the pilot of the tug TANA LYNN was drug tested.

Action Type: Other Actions - Drug and Alcohol Use and Testing

Action Class: Take Drug Test - Post-casualty

Location: Known; On Land

Description: CIBI-TPA 1801 Lafayettle St. Gretna, LA 70835

Latitude: 11 11.1 N Longitude: 111 11.1 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>	
		Party	Rescued Uninjured	Watchstander

Details Filed: Drug and Alcohol Test Details

### Sample Collection

Reason for Sample:	Post Accident
Directed to get DOT Test:	Yes
Chemical Test Sample Provided:	Yes
Chemical Test Type:	Both
Sample Type:	Urine
Date/Time Sample Taken:	03/08/2003
Sampling Location:	CIBI-TPA

## Report of Investigation

DOT Protocols Used: Yes  
Collection Agent: Mr. [REDACTED]  
Donor Certified: Yes  
Irregularities Noted: No  
Transferred/Chain of  
Custody Complete: Yes

### Field Sobriety Test

Field Sobriety Test Performed: No

### Alcohol Analysis

Method of Analysis: Breath Test  
Instrument Used:  
Date/Time Results Obtained: 03/08/2003  
Results: [REDACTED]  
Agency Conducting Analysis:  
Description of Analysis:  
Irregularities in Analysis: No

### Drug Analysis

Analyzing Laboratory: ONE SOURCE TOXICOLOGY LABORATORY,  
INC., Deer Park, TX 77536  
DOT Protocols Used: Yes  
Test Results: [REDACTED]  
Medical Review Officer/Coroner: Dr. [REDACTED]  
MRO/Coroner Conclusions: [REDACTED]  
Sample Transferred and Chain  
of Custody Complete: Yes

### Drug Re-Analysis

03/08/2003 13:45 (Known): MSU DUTY TEAM RETURNED TO SCENE

Action Class: Resource Action  
Sub-Type: Resource On-scene  
Location:

### Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>	Other		

Details Filed: None

03/08/2003 14:00 (Known): OIL MOP INC. ON SCENE WITH EQUIPMENT TO CONDUCT CLEAN UP

Action Class: Conduct Activity  
Sub-Type: Clean-up  
Location:

### Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
OIL MOP, LLC	Party		Clean Up Company

Details Filed: None

03/08/2003 15:00 (Known): MSU received National Response Center Report #638879

## Report of Investigation

Action Class: Response Communication  
Sub-Type: Initial Notification  
Location:

### Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
[REDACTED]	Party		

#### Details Filed: Notification

##### Incident Detail/Location

Incident Type: M: Pollution - Oil  
Incident Date/Time: 03/08/2003 6:00:00 AM

Notification Method: NRC Notification  
NRC Case #: 638879  
Date/Time NRC Notified: 03/08/2003 2:58:00 PM  
Date/Time Notified by NRC:  
Specific Notification Problem: No

##### Incident Location:

Address:  
City, St, Zip: , LA  
Province/Country: /  
General Location/Affected Area: ATCHASAYLA RIVER NEAR SIMS PORT BRIDGE

#### Reporting Party

Name: [REDACTED]  
Callback Phone: 5043405444  
Cell Phone:  
Location:  
Address:  
City, ST, Zip: HARVEY, LA 70058  
Province/Country: /  
Facility Name:  
Organization: JEFFERSON MARINE TOWING  
General Location:

#### Involved Subjects

Name: [REDACTED]  
Type: Person  
Last Modification Date: 03/08/2003 4:33:45 PM  
Modify By: [REDACTED]  
Unit Modify By: MSU BATON ROUGE

#### Incident Description

##### ----- NRC INCIDENT DESCRIPTION

-----  
REPORT TAKEN BY: CIV WHITE  
INCIDENT TYPE: VESSEL  
INCIDENT CAUSE: UNKNOWN  
AFFECTED AREA:  
AFFECTED MEDIUM: WATER  
-----

Report of Investigation
-------------------------

03/08/2003 16:00 (Known): OIL MOP INC. PUT ON STAND-BY FOR CLEANUP DUE TO SAFETY CONCERNS.

Action Class: Conduct Activity  
Sub-Type: Clean-up  
Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>	Other		
Details Filed: None			

03/08/2003 16:00 (Known): MSU DUTY TEAM DEPARTED SCENE FOR UNIT

Action Class: Resource Action  
Sub-Type: Resource Depart Scene  
Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
<no subject>	Other		
Details Filed: None			

03/08/2003 16:20 to 03/08/2003 16:20 (Estimated):

Action Type: Other Actions - Drug and Alcohol Use and Testing  
Action Class: Take Drug Test - Post-casualty  
Location: Known; On Land  
Description: CIBI-TPA 1801 Lafayette St. Gretna, LA 70835  
Latitude: 11 11.1 N Longitude: 111 11.1 W

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
████████████████████	Party	Rescued Uninjured	Crewmember
Details Filed: None			
████████████████████	Party	Rescued Uninjured	Watchstander
Details Filed: None			
████████████████████	Party	Rescued Uninjured	Crewmember
Details Filed: None			

03/12/2003 17:14 (Known):

Report of Investigation
-------------------------

Event Class:        Damage to the Environment

Sub-Type:

Location:

Subject(s) and Details:

<u>Name</u>	<u>Type</u>	<u>Status</u>	<u>Role</u>
TANA LYNN	Vessel		Involved in a Marine Casualty

Details Filed: Discharge Details

Substance Name:	Hydraulic fluid or oil
Potential Volume/Amount:	30 Gallon (estimated)
Potential Only:	Yes
Level of Potential:	Low
Potential Impacted Medium:	
Air:	No
Land:	No
Water:	Yes
Enclosed Space:	No
Explanation of Risk:	

Substance Name:	Oil: Crude
Potential Volume/Amount:	1 Barrels (estimated)
Potential Only:	Yes
Level of Potential:	Medium
Potential Impacted Medium:	
Air:	No
Land:	No
Water:	Yes
Enclosed Space:	No
Explanation of Risk:	

Substance Name:	Oil: Diesel
Potential Volume/Amount:	3500 Gallon (estimated)
Potential Only:	Yes
Level of Potential:	Medium
Potential Impacted Medium:	
Air:	No
Land:	No
Water:	Yes
Enclosed Space:	No
Explanation of Risk:	On 08-MAR-03 the M/V Tana Lane sank with approximately 3500 gallons of fuel in her port and starboard fuel tanks.



## V. CAUSAL ANALYSIS

### The Initiating Event of the Incident

#### **Initiating Event:**

Allision (03/08/2003 7:00:00 AM)

#### **Production Factors**

Active Human Failures - Execution Errors - Attention Failures - Mistiming errors  
Repetition; Operators first time going down the Atchafalya River.  
Allision: 03/08/2003 7:00:00 AM, OLD RIVER, TANA LYNN

#### **Preconditions**

LUCs in People - Person Mismatches - Mismatches between the person and the environment  
River current was swift. And it was to operators first time transiting the Atchafalya River.  
Person: 03/08/2003 11:00:00 AM, Faeyueves Hospital,  
[REDACTED]

#### **Workplace Factors**

#### **Organization Factors**

#### **Defense Factors**

### Failures of Defense Against Subsequent Events in the Incident

#### **Subsequent Event #1:**

Set Adrift (03/08/2003 7:01:00 AM)

#### **Defense Factors**

Active Equipment/Material Failures - Active failures of equipment  
Wires parted.  
Set Adrift: 03/08/2003 7:01:00 AM, OLD RIVER, U 2050

#### **Subsequent Event #2:**

Allision (03/08/2003 7:03:00 AM)

#### **Defense Factors**

Report of Investigation
-------------------------

Other

Allision: 03/08/2003 7:03:00 AM, OLD RIVER, LA Hwy 1 - Simmesport

**Subsequent Event #3:**

Damage to the Environment (03/08/2003 7:10:00 AM)

**Defense Factors**

Defense Technology Does Not Exist - Defense technology/systems do not exist

Damage to the Environment: 03/08/2003 7:10:00 AM, OLD RIVER,  
TANA LYNN

## VI. REFERRAL FOR ENFORCEMENT ACTION

The following referrals for enforcement action have been made as a result of this investigation and represent those instances where the Coast Guard has gathered evidence that indicates one or more alleged violations or offenses may have occurred. Any determinations as to whether or not one or more actual violations or offenses have occurred are documented in the appropriate Coast Guard enforcement activities.

**Referral #1:** Jefferson Marine/3500 gal diesel/ atchafalaya mm4

Party: JEFFERSON MARINE TOWING, INC.

Enforcement Action: Warning - Status: Open - Forward to Collections

**Alleged Violations**

<u>Cite</u>	<u>Date/Time</u>	<u>Event/Action/Condition</u>	<u>Location</u>	<u>Subject(s)</u>
33USC§	03/08/2003	Sinking	OLD	TANA
1321(b)(3)	7:01		RIVER	LYNN

**Evidence**

1755672 #1 [REDACTED]; Document; Other Federal Agency File Documents; Notice of Federal Interest; ; Date/Time Collected: 03/08/2003 10:33:00 AM

1755672 #2 [REDACTED]; Document; USCG VTS Incident Report; NRC report #638879; ; Date/Time Collected: 03/08/2003 10:40:00 AM

1755672 #3 [REDACTED]; Document; Written Statement; Witness statement from [REDACTED]. (the vessel operator at time of incident); ; Date/Time Collected: 03/12/2003 11:49:00 AM

1755672 #4 [REDACTED]; Document; Written Statement; Witness statement from [REDACTED]. (Witness from right descending bank during accident); ; Date/Time Collected: 03/08/2003 11:53:00 AM

1755672 #5 MTM; Document; Written Statement; Witness statement from [REDACTED]. On board boat.; ; Date/Time Collected: 03/08/2003 11:56:00 AM

## APPENDIX 1 - EVIDENCE

1755672 #1 [REDACTED]: Document/Other Federal Agency File Documents

Notice of Federal Interest

Collection Information:

Date/Time: 03/08/2003 10:33:00 AM

Location: On site

Collected By: USCG Gathered; MST2 [REDACTED], BATU

Witnessed By: USCG Witness; ,

Tracking:

<u>Date</u>	<u>Status</u>	<u>Location</u>	<u>Custodian</u>	<u>Carrier</u>
05/07/2003	Received	MSU Baton Rouge	BATU; MST3 [REDACTED]	

Attachments:

1755672 #2 [REDACTED]: Document/USCG VTS Incident Report

NRC report #638879

Collection Information:

Date/Time: 03/08/2003 10:40:00 AM

Location: MISLE

Collected By: 3rd Party Gathered; National Response Center,

Witnessed By: USCG Witness; ,

Tracking:

<u>Date</u>	<u>Status</u>	<u>Location</u>	<u>Custodian</u>	<u>Carrier</u>
05/07/2003	Received	MSU Baton Rouge	BATU; MST3 [REDACTED]	

Attachments:

- nrc 638879.doc; MSU BATON ROUGE; [REDACTED]; 03/11/2003;

1755672 #3 [REDACTED]: Document/Written Statement

Witness statement from Clifton Boudreaux. (the vessel operator at time of incident)

Collection Information:

Date/Time: 03/12/2003 11:49:00 AM

Location: On Scene

Collected By: USCG Gathered; [REDACTED], Police Dept.

Witnessed By: USCG Witness; ,

Tracking:

<u>Date</u>	<u>Status</u>	<u>Location</u>	<u>Custodian</u>	<u>Carrier</u>
05/07/2003	Received	MSU Baton Rouge	BATU; MST3 [REDACTED]	

Attachments:

- [REDACTED].pdf; MSU BATON ROUGE; [REDACTED]; 03/12/2003;

1755672 #4 [REDACTED]: Document/Written Statement

Report of Investigation
-------------------------

Witness statement from [REDACTED]. (Witness from right descending bank during accident)

Collection Information:

Date/Time: 03/08/2003 11:53:00 AM

Location: On Scene

Collected By: USCG Gathered; [REDACTED], Police Dept.

Witnessed By: USCG Witness; ,

Tracking:

<u>Date</u>	<u>Status</u>	<u>Location</u>	<u>Custodian</u>	<u>Carrier</u>
05/07/2003	Received	MSU Baton Rouge	BATU; MST3 [REDACTED]	

Attachments:

- [REDACTED].pdf; MSU BATON ROUGE; [REDACTED]; 03/12/2003;

1755672 #5 [REDACTED]: Document/Written Statement

Witness statement from [REDACTED]. On board boat.

Collection Information:

Date/Time: 03/08/2003 11:56:00 AM

Location:

Collected By: USCG Gathered; ,

Witnessed By: USCG Witness; ,

Tracking:

<u>Date</u>	<u>Status</u>	<u>Location</u>	<u>Custodian</u>	<u>Carrier</u>
05/07/2003	Received	MSU Baton Rouge	BATU; MST3 [REDACTED]	

Attachments:

- [REDACTED].pdf; MSU BATON ROUGE; [REDACTED]; 03/12/2003;